



iPhone 4S - Disassemble Guide

Required Tools:

- TTT-9007 Small Phillips Screwdriver
- TTT-9010 Plastic Opening Tools
- TTT-9013 Spudger
- TTT-9018 iPhone 5-Point Pentalobe Screwdriver
- Heat Gun / Blow Dryer

The repair of the Apple iPhone 4S, can be both simple and inexpensive if you follow the steps of this disassemble guide. To assist you in completing the repair, the steps we have provided will help you quickly, and safely, replace a broken display, along with other internal components that may have become damaged.



Step 1 – Battery



- To begin disassembling the iPhone 4S, remove the two pentalobe screws on either side of the dock port connector with the iPhone 5-Point Pentalobe screwdriver.

Step 2



- Grip the back cover of the iPhone and push upward about 1/8th of an inch to remove the back cover from the iPhone 4S.

Step 3



- There is a cover over the battery connector. To disconnect the cover, locate and remove the one Phillips screw (#00) that secures it in place.
- When the screw is removed, use the spudger to gently pry up the connection releasing it from the motherboard.
- Be careful not to lose the clip secured by the Phillips screw, it will be needed for reinstallation.



Step 4



- To remove the battery, use the plastic opening tool and the pull-tab to pry the battery out of its location. It is secured by a small amount of adhesive.

Step 5 - Speaker Assembly



- To begin removing the motherboard from the phone, locate and remove the two Phillips screws (#00) that secure the dock port connector cover.
- Use the spudger to gently pry the connection for the dock port out of its socket.

Step 6



- Peel back the dock port connector ribbon wire. This will reveal one of the two Phillips screws (#00) that are securing the speaker assembly into the phone. Remove both of the Phillips screws with the appropriate screwdriver.



Step 7



- Now, use the spudger to pry the plug for the antenna up to disconnect it.

Step 8



- With the two screws removed and the antenna unplugged, the speaker assembly can now be lifted from the iPhone 4S.

Step 9 – Rear-Facing Camera



- Five Phillips screws (#00) hold a metal cover for the iPhone's cables and grounding clip. Locate and remove the five screws with the appropriate screwdriver.
- When the screws are out, remove the cover from the iPhone 4S.

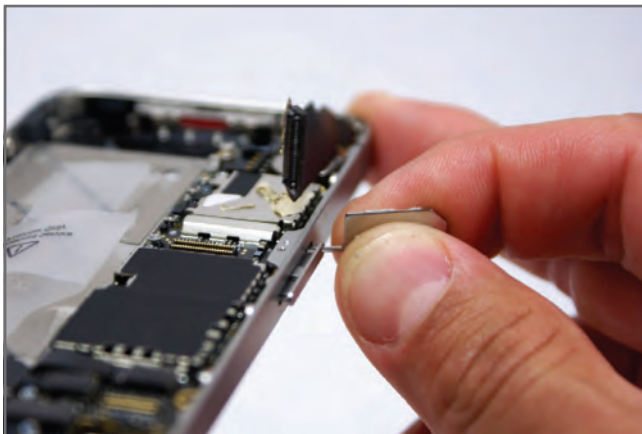


Step 10



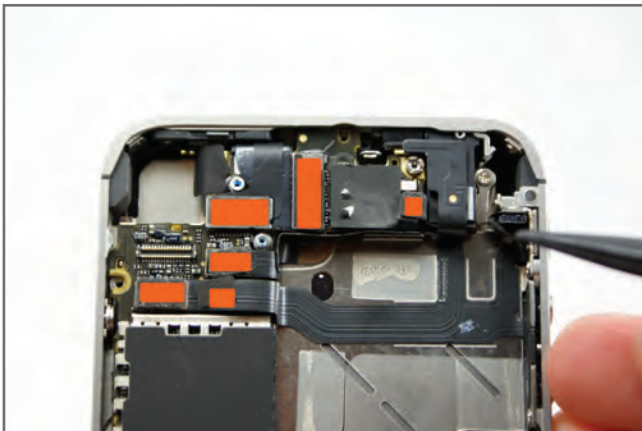
- With the spudger, gently pry up the rear-facing camera connection to unplug it from its socket and then remove it from the iPhone 4S.

Step 11 – SIM Card



- Use the SIM card ejection tool tool/paper clip to remove the SIM card from the iPhone.

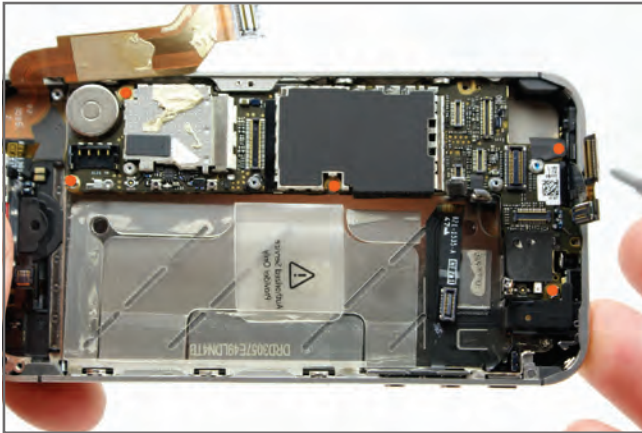
Step 12



- There are now five connections and single antenna plug that need to be disconnected. Using the spudger gently pry the five connections up from their sockets, and then gently pry the antenna plug from its socket.



Step 13



- Two standoffs and three Phillips screws (#00) hold the motherboard into the iPhone 4S case. Use the small flathead screwdriver to remove the standoffs and the small Phillips for the three screws.

Step 14



- With all the connections withdrawn and the securing screws removed, remove the motherboard from the iPhone 4S.

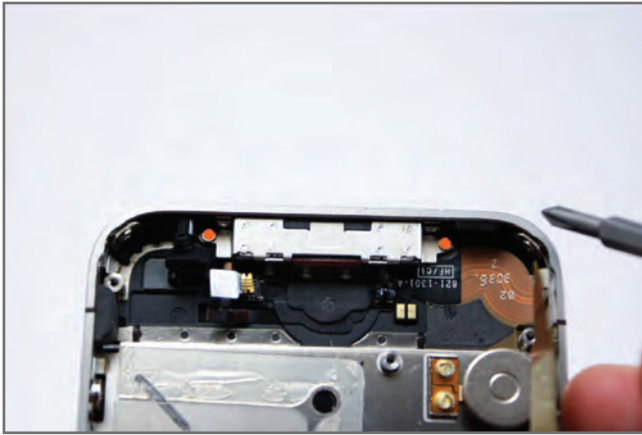
Step 15 – Dock Port Connector



- The connection for the home button is secured in a locking socket. Release the locking tab for this socket and remove the ribbon cable.



Step 16



- Locate and remove the two Phillips screws (#00) that secure the dock port assembly with the appropriate screwdriver.

Step 17



- With all the connections and screws removed, use the spudger to pry and remove the dock port assembly from the iPhone case.

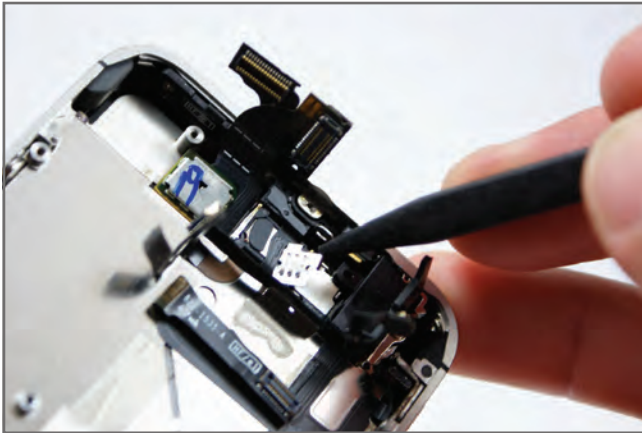
Step 18



- The headphone jack has an antenna adhered to the top of it. Use the flat end of the spudger to pry this antenna away from the headphone jack.

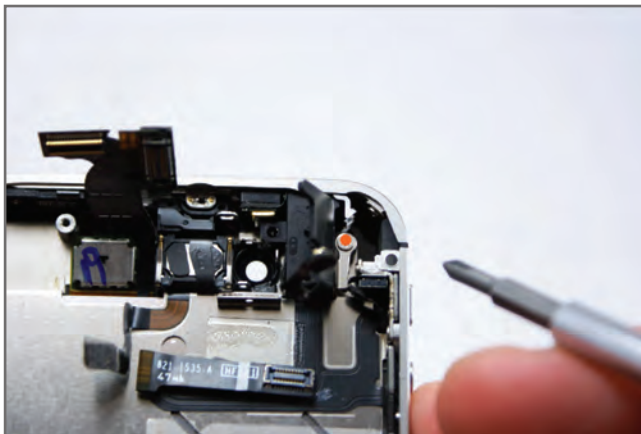


Step 19 – Front-Facing Camera



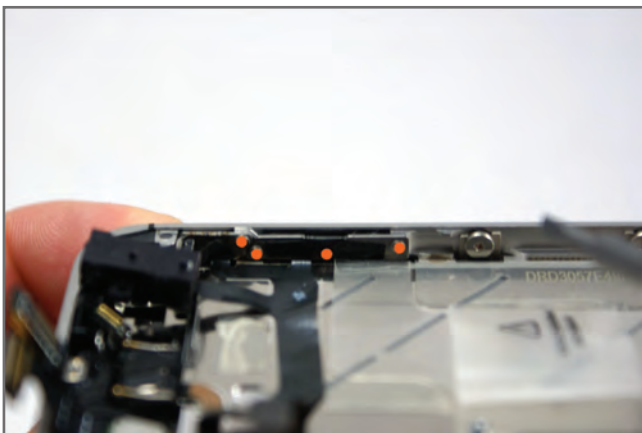
- A metal clip secures the front-facing camera. Use the spudger to pry at one side of this clip and release the camera from the assembly.
- Remove the front-facing camera from the iPhone 4S.

Step 20



- There is a single Phillips screw (#00) that is securing the antenna into the case of the iPhone. Remove the screw with the appropriate screwdriver.
- You can now remove the antenna from the iPhone 4S.

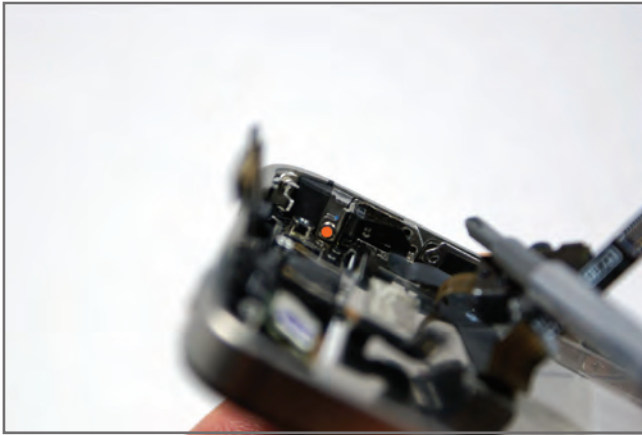
Step 21 – Headphone Jack & Volume Button Assembly



- Next, locate and remove the four Phillips screws (#00) that secure the volume buttons into the side of the iPhone's case.



Step 22



- Slightly pull back the headphone jack. This will reveal the last Phillips screw (#00) securing the headphone jack and volume button assembly into the iPhone. Remove the single screw with the small Phillips screwdriver.

Step 23



- Use the spudger to peel back the headphone jack & volume button assembly's adhered ribbon cable.
- You can now remove the headphone jack & volume button assembly from the iPhone 4S.

Step 24 – Vibrator Assembly



- Use the spudger to pry up and release the vibrator assembly. It is adhered with a small amount of adhesive to the body of the iPhone.
- You can now remove the vibrator assembly from the iPhone 4S.



Step 25 – Display Assembly



- There are ten Phillips screws (#00) that secure the display assembly to the iPhone 4S's case. Locate and remove these screws.

Step 26



- With the screws removed, use the plastic opening tool to pry the display assembly away from the metal case of the iPhone 4S. Now, separate the display assembly and metal case from each other.
- Remove the display assembly from the iPhone 4S.

Step 27 – Home Button



- The home button sits under the display assembly. When the display assembly is removed from the iPhone's case, pick the button up and out of its secured location.
- You can now remove the home button from the iPhone 4S.

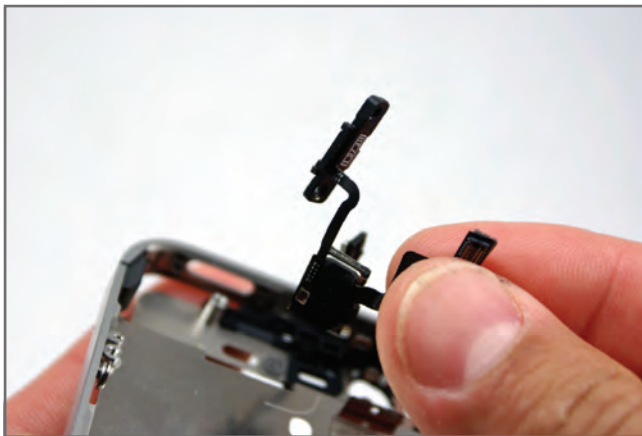


Step 28 – Power Button & Earpiece Speaker Assembly



- The power button assembly is secured with two Phillips screws (#00). Use the appropriate screwdriver to remove these screws.

Step 29



- The earpiece speaker is adhered to its location in the iPhone 4S's case. Use the spudger to gently pry the speaker from its location to free and remove it from the iPhone.



Final Layout



To reassemble your device, follow these instructions in reverse order.